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| ST | ATEMENT BY | / AF | PLICANT | First Nam d Inventor | Ravishankar SANKARANARAYANAN | |
| | | | ,_, | Group Art Unit | UNASSIGNED | |
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| Sheet | 1 | of | 2 | Attorney Docket Number | TI-37177/TXN-088 | |

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| Examiner Signature | Shik-Ilao Chen | Date Considered | 8/2/05 |
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| | | | | Group Art Unit | UNASSIGNED 2821 | | |
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| le | | RAVISHANKAR and NARASIMHAN, "Multiple Scattering of EM waves by Dielectric Spheres located in the near field of a source of radiation", IEEE Transactions on Antennas and Propagation, Vol AP35, No 4, pp 399- 405, April 1987. | • | | | | | | |
| Ce | | C.A.FERNANDES, "Shaped Dielectric lenses for Wireless Millimeter-Wave Applications", IEEE Antennas & Propagation Magazine, Vol 41, No 5, pp 141-151, Oct 1999. | | | | | | | |
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| ce | | C.A.FERNANDES, JOSE G FERNANDES, "Performance of Lens Antennas in wireless Indoor Millimeter Vave Applications", IEEE Transactions on Microwave Theory and Techniques, Vol 47, No 6, pp 732-737, lune 1999. | | | | | | | |
| le | • | MARIO GMV SILVEIRINHA, C.A.FERNANDES, "Shaped Double-Shell Dielectric Lenses for Wireless millimeter wave applications", IEEE Transactions on Antennas and Propagation Society International Symposium, 2000., Volume: 3, No 16-21, pp 1674-1677, July 2000. | | | | | | | |
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| Examiner Signature | Shik Thro Ohon | Date Considered | 7/21/25 | |
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